

PAT-NO: JP02004348478A
DOCUMENT-IDENTIFIER: JP2004348478A
TITLE: AUTHENTICATION SYSTEM USING IC CARD AND IC CARD
PUBN-DATE: December 9, 2004

INVENTOR-INFORMATION:

NAME	COUNTRY
INAMITSU, TETSUJI	N/A
KASHIMOTO, KAZUNORI	N/A
FUKUSHIMA, SHINICHIRO	N/A
TAKAMI, MINORU	N/A
AIKAWA, SHIN	N/A

ASSIGNEE-INFORMATION:

NAME	COUNTRY
HITACHI LTD	N/A

APPL-NO: JP2003145291

APPL-DATE: May 22, 2003

INT-CL (IPC): G06K017/00, G06F001/00, G06F015/00, G06K019/07, G06K019/10

ABSTRACT:

PROBLEM TO BE SOLVED: To authenticate also a true owner of an IC card when authenticating a specific system by the IC card.

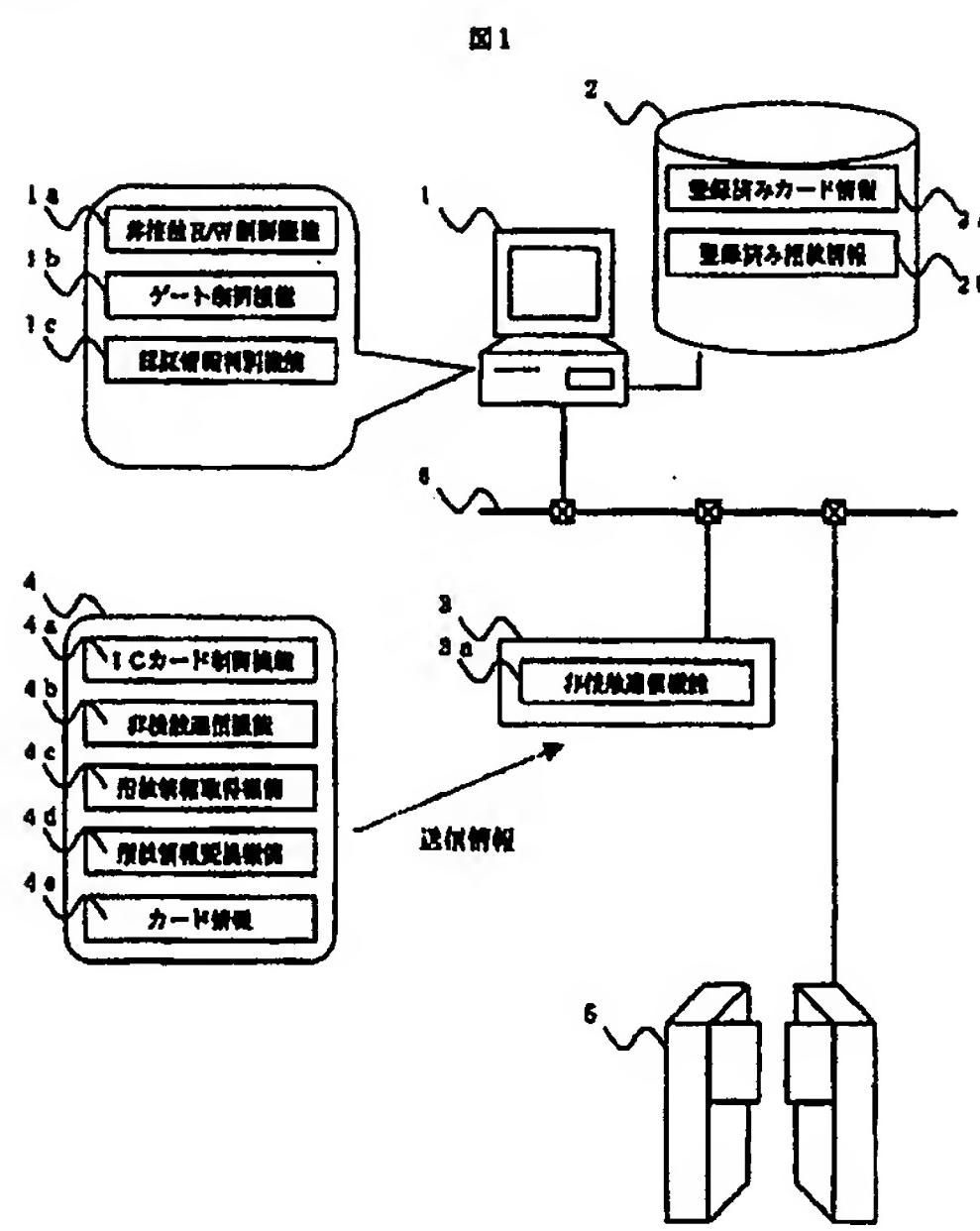
SOLUTION: The ~~card~~ information of IC ~~card~~ each of non-contact type and the ~~fingerprint~~ information of a true owner of the IC ~~card~~ has been registered in a database 2 as ~~registered card~~ information 2a and ~~registered fingerprint~~ information 2b. When a user of the non-contact IC card 4 puts the IC card 4 on a non-contact reader/writer 3 and touches a ~~fingerprint~~ input means of the IC card 4 with a finger, the ~~fingerprint~~ information is read out by the IC card 4 and the ~~fingerprint~~ information and the card information 4e are read out together by a server 1 through the non-contact reader/writer 3. The server 1 confirms whether the ~~card~~ information 4e has been ~~registered as~~ the ~~registered~~ information 2a or not to authenticate the IC ~~card~~ 4, and when the IC ~~card~~ 4 is authenticated, confirms whether the ~~fingerprint~~ information has been ~~registered as~~ the ~~fingerprint~~ information 2b or not to authenticate the ~~card~~ user.

COPYRIGHT: (C) 2005, JPO&NCIPI

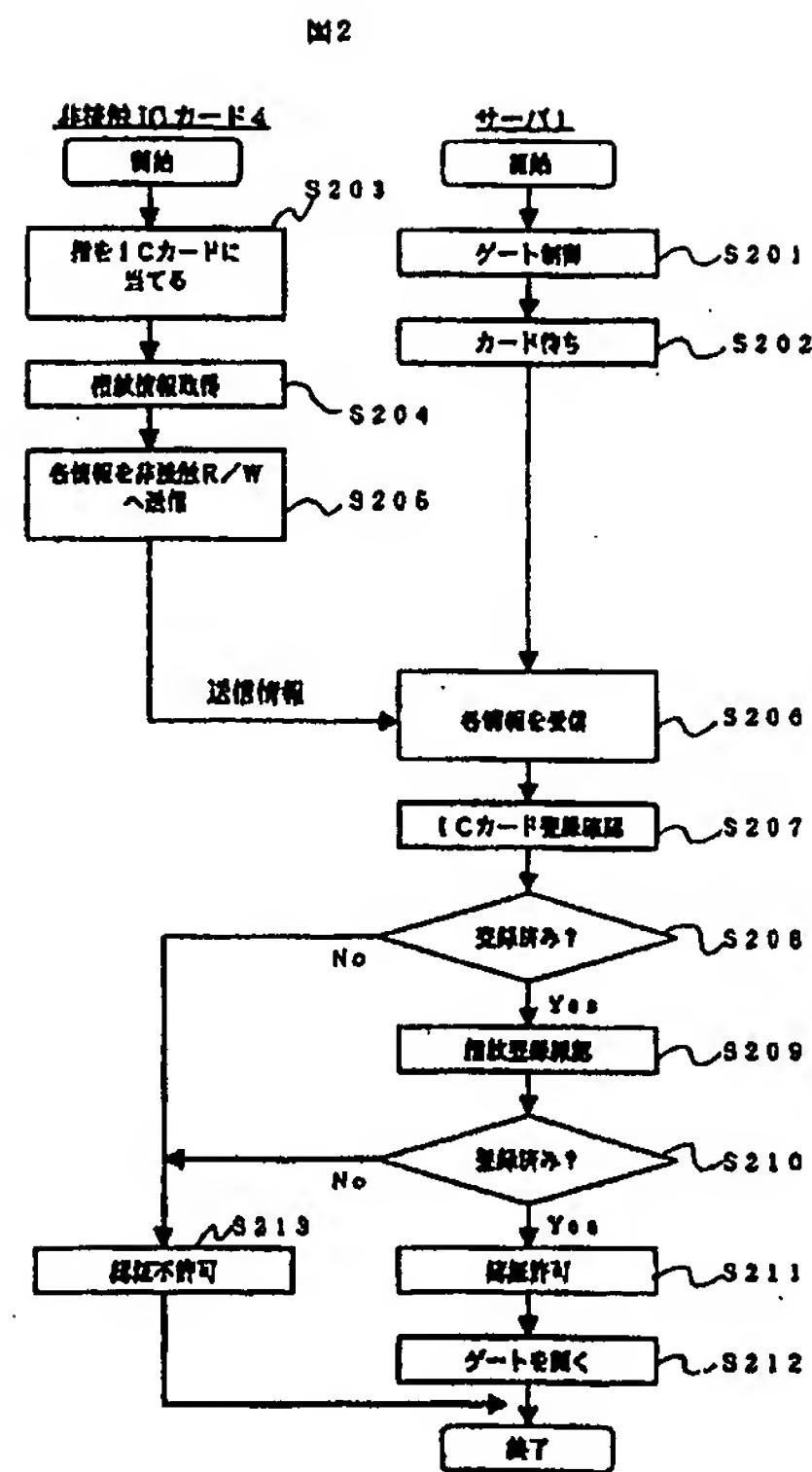
- 5 ゲート
 6 ネットワーク
 7 POS端末
 7 a 電子マネー処理機能
 8 ICカード読み書き装置
 8 a 指紋情報取得機能
 8 b 指紋情報変換機能
 8 c ICカード通信機能
 8 d 非接触通信機能
 9 接触ICカード
 9 a ICカード制御機能
 9 b カード情報
 9 c 接触通信機能

10

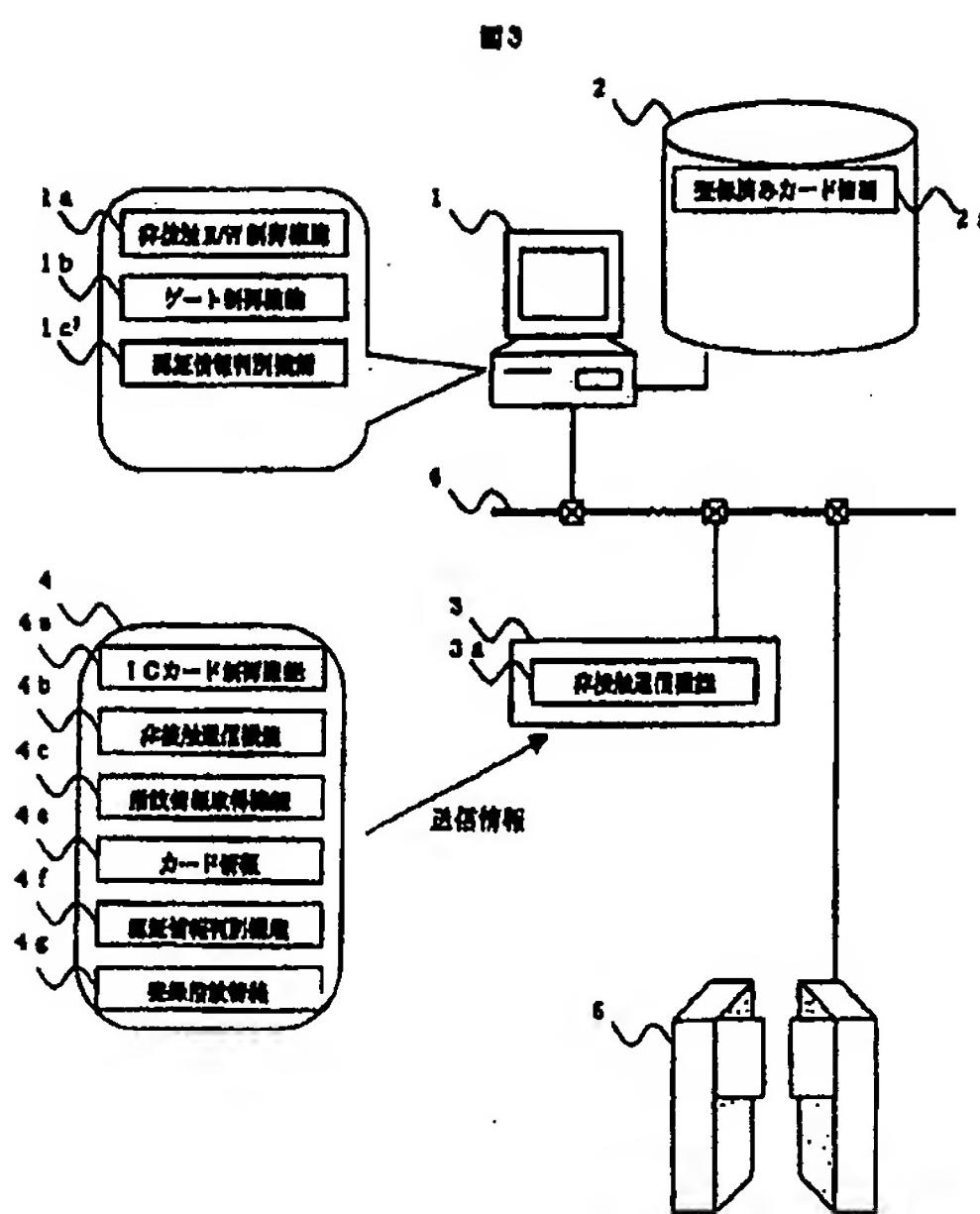
【図1】



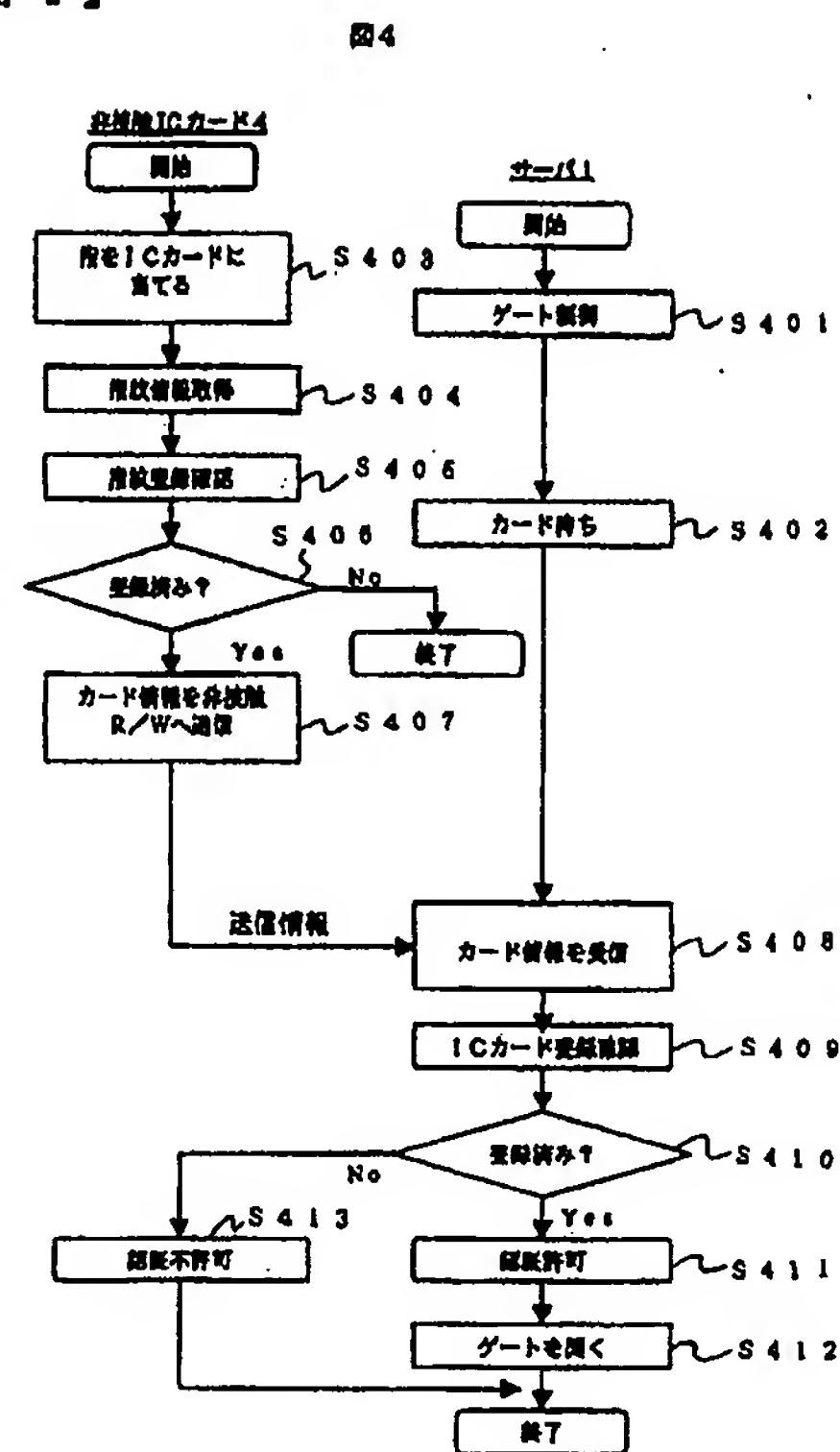
【図2】



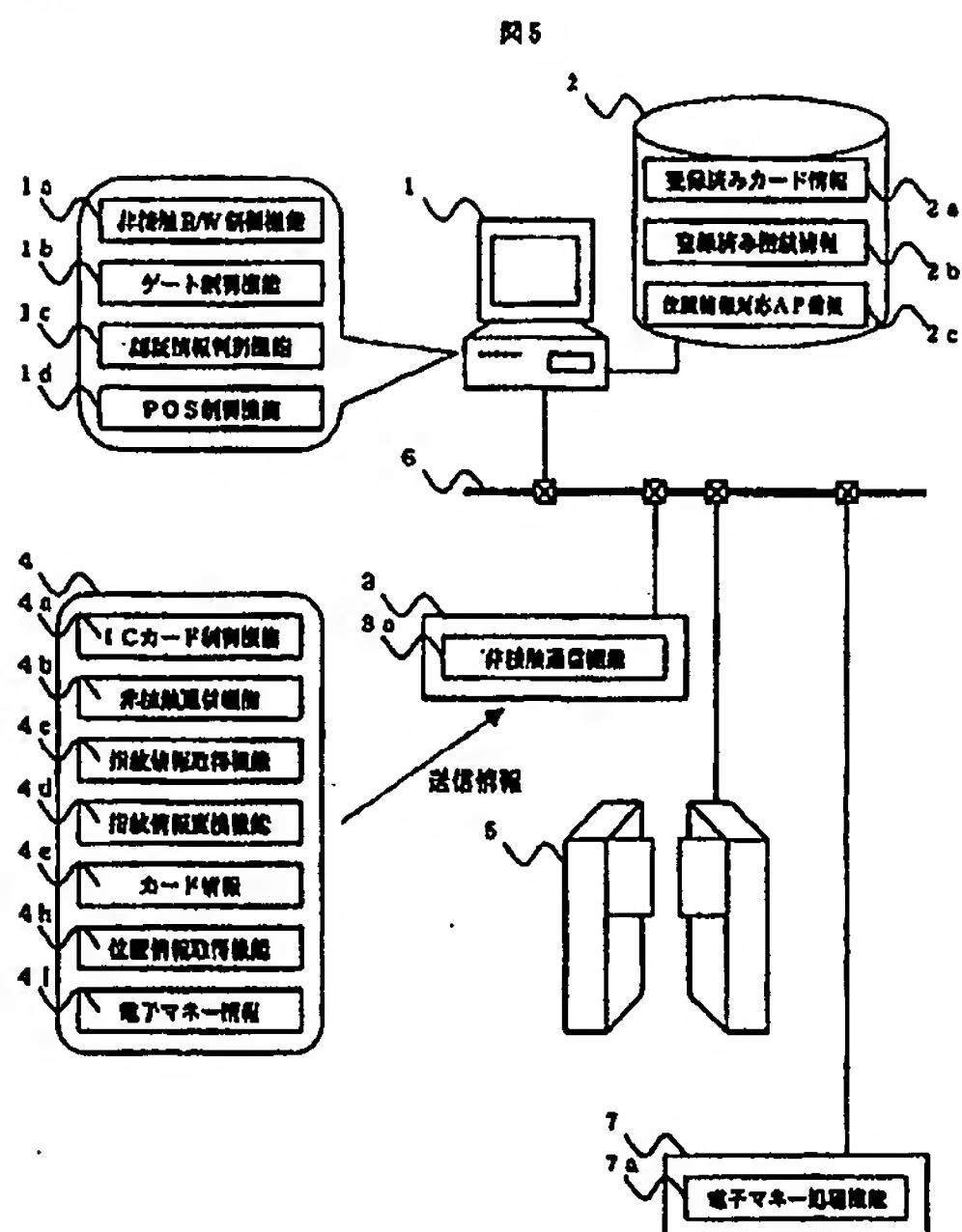
【図3】



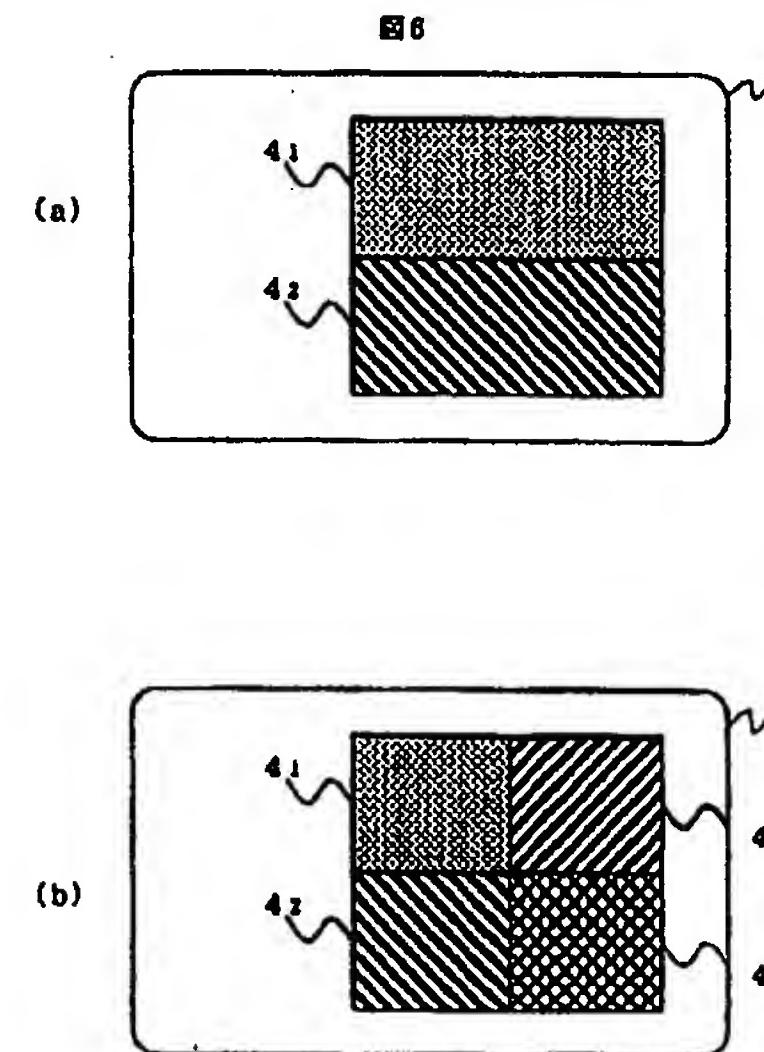
【図4】



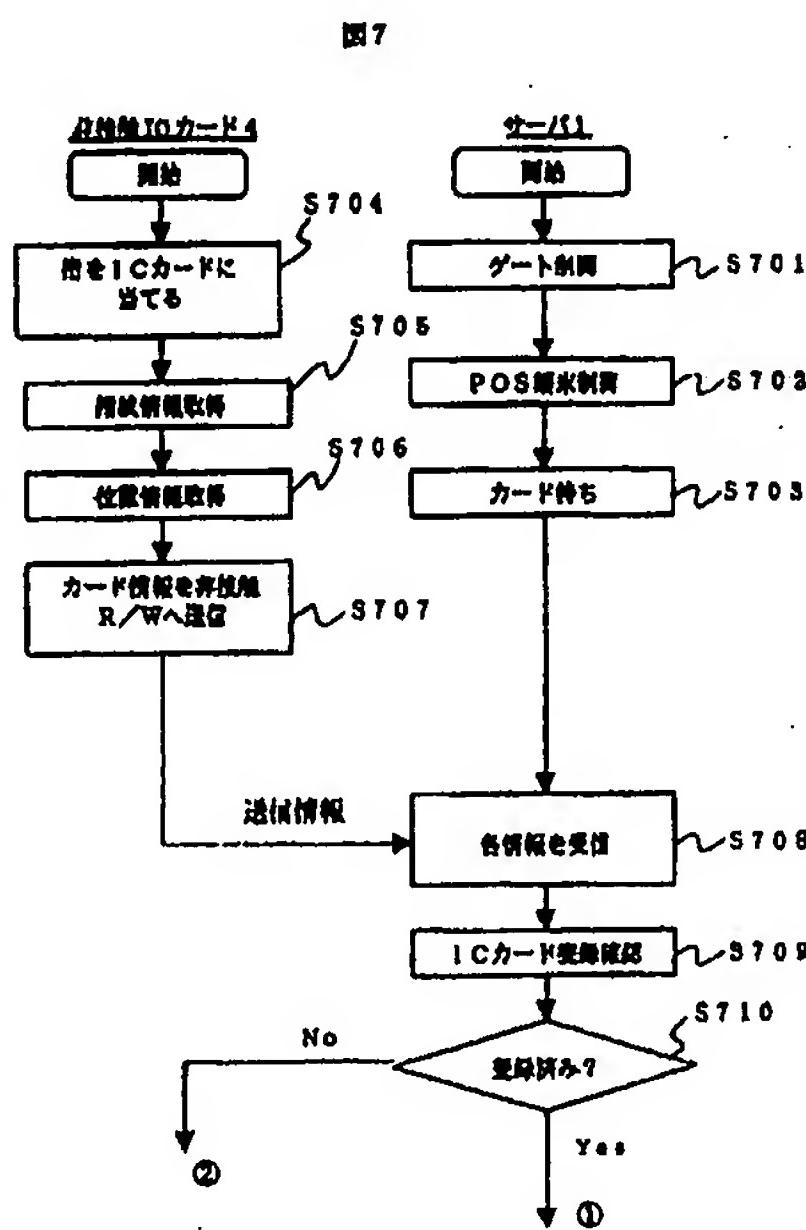
【図5】



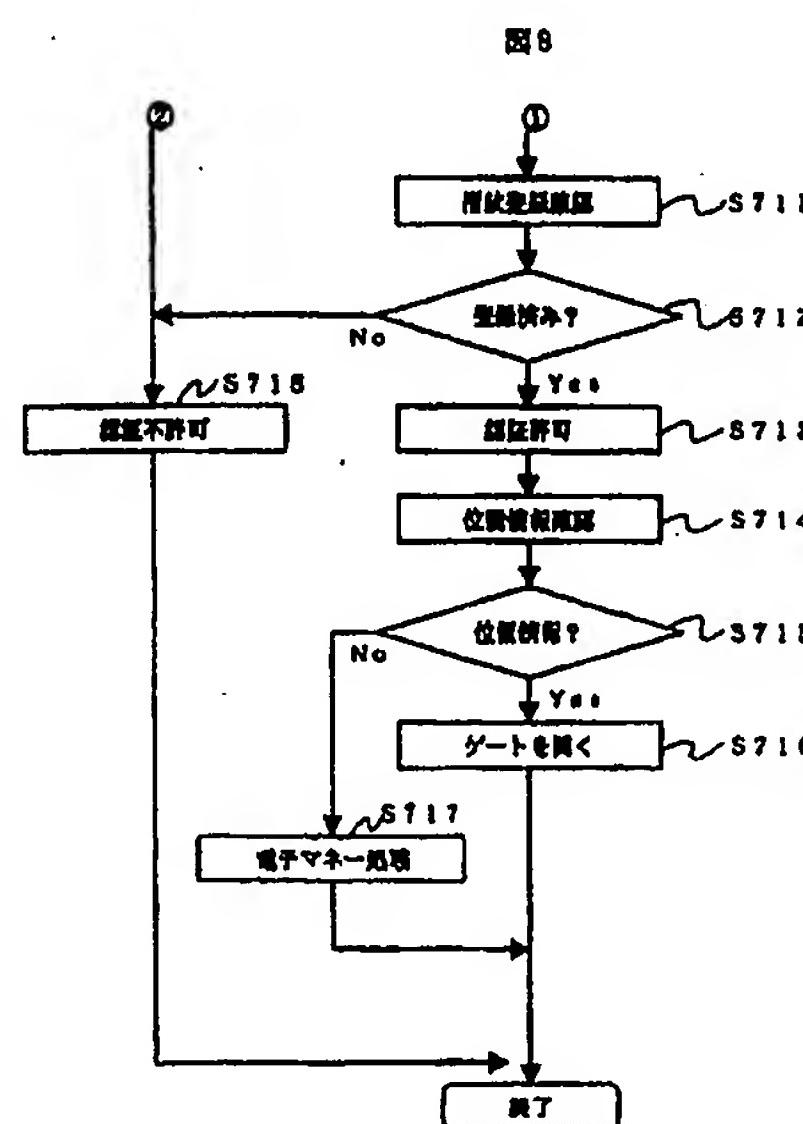
【図6】



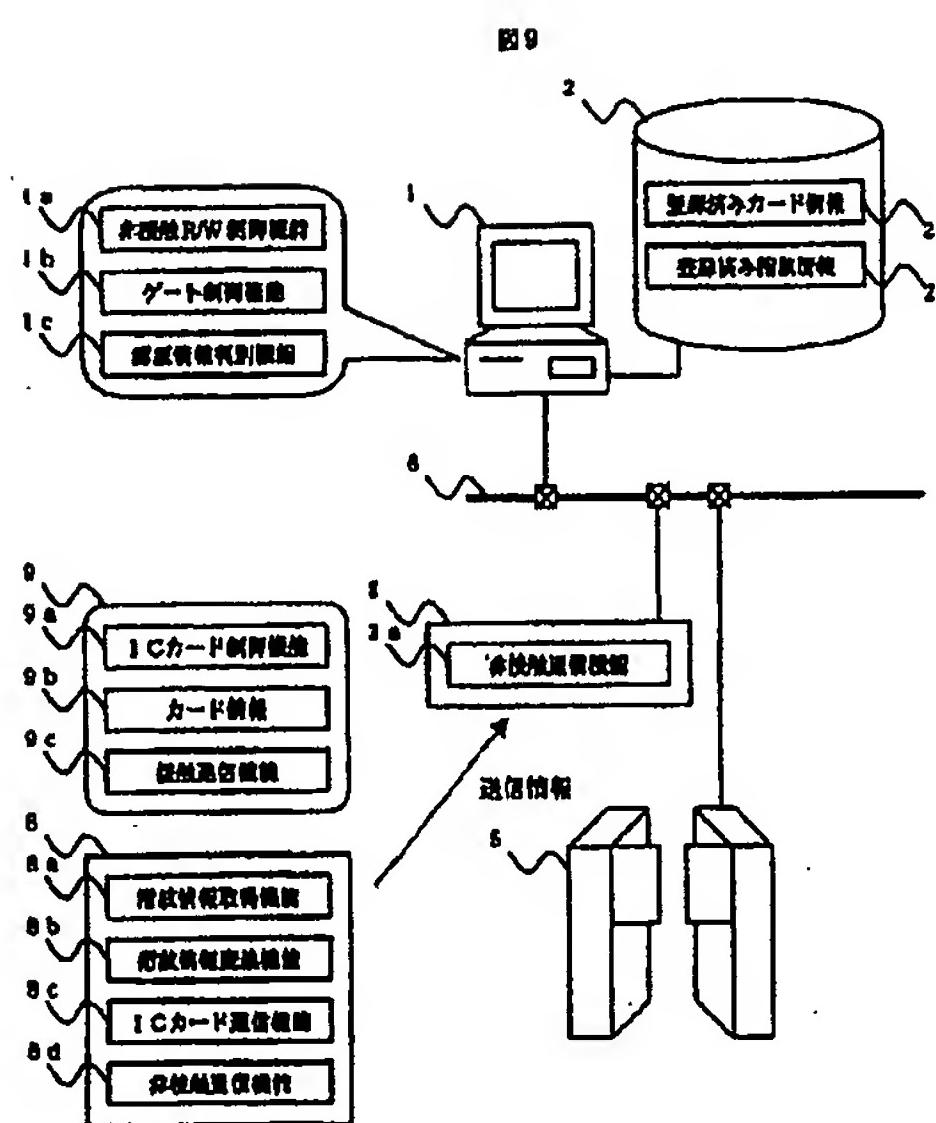
【図 7】



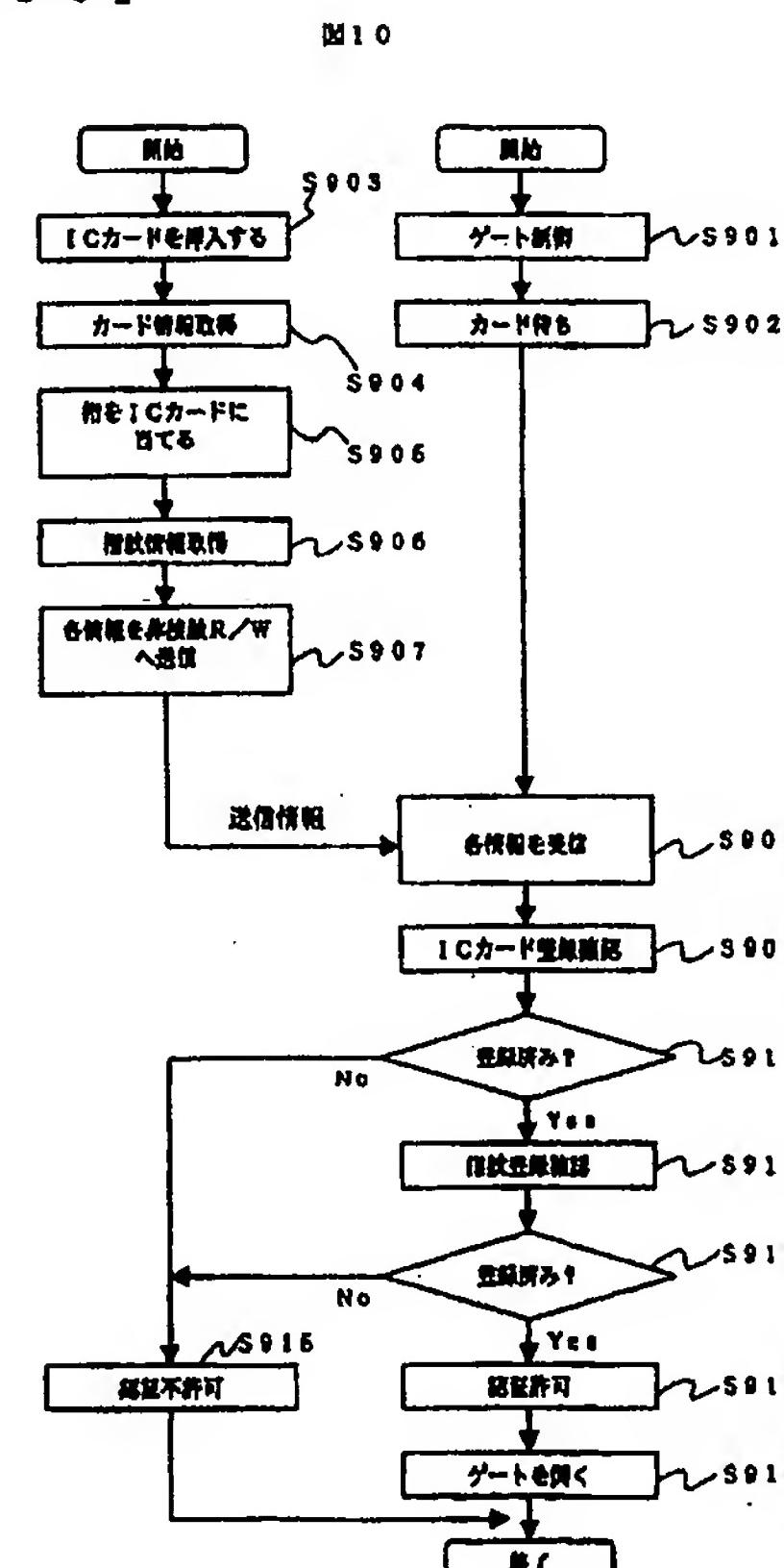
【図 8】



【図 9】



【図 10】



フロントページの続き(51) Int. Cl.⁷

F I

テーマコード(参考)

G 06 K 19/00

S

G 06 K 19/00

H

(72) 発明者 福島 真一郎

神奈川県横浜市戸塚区吉田町292番地 株式会社日立製作所デジタルメディア開発本部内

(72) 発明者 高見 穣

神奈川県横浜市戸塚区吉田町292番地 株式会社日立製作所デジタルメディア開発本部内

(72) 発明者 相川 慎

神奈川県横浜市戸塚区吉田町292番地 株式会社日立製作所デジタルメディア開発本部内

F ターム(参考) 5B035 AA14 BB09 BC01 CA22 CA23

5B058 CA13 CA15 KA38

5B085 AA08 AE12 AE15 AE23 AE25 BE01 BE04 BG01 BG02 BG07